IN THE CLAIMS

Please amend the claims as follows:

Claims 1-8 (Canceled).

Claim 9 (Currently Amended) A method of producing a processing tool having abrasive grains for carrying out a fixed-abrasive grinding process on a surface of a silicon work-piece, said method comprising the [[step]]steps of:

(a) mixing a binder and silica grains to form a mixture, the binder being made of a polyimide resin that generates no endothermic reaction during the process carried out on the silicon work-piece by the processing tool; and

(b) forming the mixture into the abrasive grains of the processing tool.

Claim 10 (Original) The method of producing the processing tool as in claim 9, wherein said step (a) uses silica grains having a primary average grain size of 0.8 nm to 10 μm.

Claim 11 (Original) The method of producing the processing tool as claimed in claim 9, wherein said step (a) uses a content of the silica grains in the abrasive grains in a range of 10 to 70 volume percent.

Claims 12-30 (Canceled).

Claim 31 (New) The method of producing the processing tool as claimed in claim 9, wherein said step (a) mixes an additive to the binder and the silica grains to form the mixture, and the additive is made of a material that generates no endothermic reaction during the process carried out on the silicon work-piece by the processing tool.

Claim 32 (New) The method of producing the processing tool as claimed in claim 31, wherein said additive is made of a material selected from the group consisting of carbon and molybdenum disulfide.